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1 CGGAGGCAGGGAGTGAGGAGCGAGCCGGGTGCGCCGGCGCGAGCTCCGG 61 CCAGCCCAGCCGGGGGCCTGTGGCGGGGGAGGAGCTGTGCGTCCGCGACC 121 CGCAGCTGCTCGGCCGGAGTGCACGGGCCGAGTCTGCGCGACTACCCACGCGTGACAGGT 180 181 CCCTGAATGAGAAGGAGCTGACAGCAGCTGAATTCCATCTTCTCTGTGTGCTGGGGAGCA 240 241 GGGCTACACGGCCCAGGTGGCATCAATGCCGAAGAACAGCAAAGTGACCCAGCGTGAGCA 300 M P K N S K V T Q R E H 12 1 301 CAGCAGTGAGCATGTCACTGAGTCCGTGGCCGACCTGCTGGCCCTCGAGGAGCCTGTGGA 360 S S E H V T E S V A D L L A L E E P V D 32 YKQSVLNVAGEAGGKOKAVE52 421 GGAGGAGCTGGATGCAGAGGACCGGCCGGCCTGGAACAGTAAGCTGCAGTACATCCTGGC 480 E E L D A E D R P A W N S K L Q Y I L A 72 481 CCAGATTGGCTTCTCTGTGGGCCTCGGCAACATCTGGAGGTTCCCCTACCTGTGCCAGAA 540 QIGFSVGLGNIWRFPYLCOK92 541 AAATGGAGGAGGTGCTTACCTGGTGCCCTACCTGGTGCTGCTGATCATCATCGGGATCCC 600 NGGGAYLVPYLVLIIIGIP112 601 CCTCTTCTTCCTGGAGCTGGCTGTGGGTCAGAGGATCCGCCGCGGAAGCATCGGTGTGTG 660 L F F L E L A V G Q R I R R G S I G V W 132 133 HYICPRLGGIGFSSCIVCLF152

FIG. 1A

		1												-					R	5	١.
<i>:)</i>										•								•	<b>%</b>	70	EIVEL 2008 0
721	TGTG	GGG	CTG	TAT	TAT	AAT	GTG	ATC	ATC	GGG	TGG	AGC	'ATC	TTC	TAT'	'TTC	T	NAC	TCC	TI	<b>70%</b> 0
153	V	G	L	Y	Y	N	V	Ι.	Ι	G	W	S	Ι.	F	Y	F	. F	K.	EF16	ar <mark>F</mark>	172 <b>2</b>
781	·CCAG	TAC	:CCG	CTG	CCC	TGG	AGT	'GAA	TGT	'CCT	'GTC	GTC	AGG	TAA	'GGG	AGC	GTC	:GCA	GTG	GT.	840
173	Q	Y	P	L	P	W	S	Ε	C	P .	V	V	. R	N	G	S	V	Α	V	V	192
841	GGAG	GCA	GAG	TGT	'GAA	AAG	AGC	TCA	.GĊC	ACT	'ACC	TAC	TTC	TGC	TAC	CGA	GAG	GCT	TTC	GA	900
193	Ε	A	E	С	E	K	S	S	Α	T .	T	Y	F.	W	Y	R	Е	A	L	D	212
901	CATC	TCT:	: GAC	TCC	ATC	TCG	GAG	AGT	'GGG	GGC	CTC	'AAC	TGC	AAG	ATC	ACC	CTO	TGC	CTC	CT	960
213	I	S	D	S	Ι	S	Е	S	G	G ·	L	N	₩.	K	M	T	L	С	L	L	232
961	CGTG	GTC	TGC:	AGC	ATC	:GGG	GGG	ATG	GCT	GTC	GGT	'AAG	GGC	ATC	CAG	TCC	TC	GGG	AAG	GT	1020
233	V	V	W	S	I	G	G	M	Α	٧	G	K	G	Ι	Q	S	S	G	K	۷.	252
L021	GATO	TAT	TTC	AGC	TCC:	CTC	TTC	CCC	TAC	GTG	GTO	CTC	GCC	TGC	TTC	CTO	GTO	CCGG	GGG	TT	1080
253	М	Y	F	S	S	L	F	P	Y	٧.	V	L	Α.	С	F	L	. V	R	G	L	272
1081	GTTG	TTG	CGA	\GGG	GCA	GTI	GAT	'GGC	ATC	CTA	CAC	CATO	TTC	CACT	CCC	'AAC	CTO	GTO	CAAC	TAE	1140
273	L	L	R	G	Α	V	D	G	I	L ·	·H	M	F	T	P	K	. L	V	K		292
1141	GCTG	GAC		CCAG	GTO	TGG	CGC	GAG	GTA	.GCT	'ACC	CCAC	GTC	TT(	TTT	GG(	TTC	GGT	CTC	GG	1200
293	L																				
1201	CTTT	rggi	IGGT	[GT(	TTA:	GTC	TTC	CTCC	AGT	TAC	CAAC	CAA1	GCAC	GA(	CAAC	CAAC	CTG(	CCAC	CTT(	CGA	1260
	F																				332
1261	TGG	CGC(	CCTO	GTO	TCC	CTTC	AT(	CAAC	TTC	TT(	CACC	GTC	AGT(	TT(	GC(	CAC	CCT(	CGT(	GT(	ЗТТ	1320
	G																				
1321	TGTT	[GT]	TTC	GGG(	CTTC	CAAC	GC(	CAAC	CATO	CATO	AA:	rga(	GAA(	GTG:	rgt(	GT(	CGA(	GAA!	rgc:	ΓGA	1380
	V																				

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1381 GAAAATCCTAGGGTACCTTAACACCAACGTCCTGAGCCGGGACCTCATCCCACCCG KILGYLN TN V L S R D L I P P F 1441 CAACTTCTCCCACCTGACCACAAAGGACTACATGGAGATGGACAATGTCATCATGAC N F S H L T T K D Y M E M D N V I M T V 412 1501 GAAGGAGGACCAGTTCTCAGCCCTGGGCCTTGACCCCTGCCTTCTGGAGGACGAGCTGGA 1560 413 KEDQFSALGLDPCLLEDELD432 1561 CAAGTCCGTGCAGGGCACAGGCCTGGCCTTCATCGCCTTCACTGAGGCCATGACGCACTT 1620 KSVOGTGLAFIAFTEAMTHF452 1621 CCCCACCTCCCGTTCTGGTCCGTCATGTTCTTCTTGATGCTTATCAACCTGGGCCTGGG 1680 453 PTSPFWSVMFFLMLINLGLG472 1681 CAGCATGATCGGGACCATGGCAGGCATCACCACGCCCATCATCGACACCTCCAAGGTGCC 1740 SMIGTMAGITTPIIDTSKVP492 1741 CAAGGAGATGTTCACAGTGGGCTGCTGTGTCTTTACATTCCTCGTGGGACTGTTGTTCGT 1800 493 KEMFTVGCCVFTFLVGLLFV512 1801 CCAGCGCTCCGGAAACTACTTTGTCACCATGTTCGATGACTACTCAGCCACGCTGCCACT 1860 ORSGNYFVTMFDDYSATLPL532 1861 CACTCTCATCGTCATCCTTGAGAACATCGCTGTGGCCTGGATTTATGGACCCAAGAAGTT 1920 TLIVILENIAVAWIYGPKKF552 1921 CATGCAGGAGCTGACGGAGATGCTGGGCTTCCGCCCCTACCGCTTCTATTTCTACATGTG 1980 MOELTEMLGFRPYRFYFYMW572 573 K F V S P L C M A V L T T A S I I Q L G 592

FIG. 1C

									•							;	4	ŘE	ĊŁ	:/\	/En
2041	GGTC	ACG	CCC	CCG	GCC'	TAC	AGC	GCC'	TGG.	ATC.	AAG	GAG	GAG	GCT	GCC	GAĠ	CGC	1	CTG'	ГА	2160
593	V	T	P .	P	A	Y	S	A	W	Ι.	K	E	Ε.	A	Α	E	P	<b>Bill</b>	T.	OQ3	612
2101	TTTC	CCC.	'AAC	TGG	CCC.	ATG	GCA	.CTC	CTG.	ATC.	ACC	CTC.	ATC	GTC	GTG	GCG	ACG	CTG	CCC.	Po	<b>2</b> 160
613	F	P	N	W	P	M	A	L	L	I	T	L	Ι	V	V	A	T	L	P	Ι	632
	aaa	ama		mma	ama	ата		מא מ	ጠጥረ	• . מאמ	ርጥር	ርጥር	• ጥርጥ	ርእጥ	ממר	ጥረር	አልሮ	ነ አርር	ረጥረ	ፐር	2220
	•				GIC	CIG					CIG	CIC T	101	GAI	کائی	100	AAC	.ncc	7	S	652
633	P	V	V	Ę	V	L	R	H	F	H	L	П	S.	ע	G	5	. N	1	ъ	٥ .	052
2221	CGTO	TCC	TAC.	AAG	AAG	GCC	CGC	'ATG	ATG	AAG	GAC	ATC	TCC	AAC	CTG	GAG	GAG	AAC	GAT	GA	2280
653	V	S	Y		K	$\mathbf{A}_{i}$	R	M	M	K	D	I	S	N	L	E	E	N	D	Ε	672
<b>2281</b>	ር <mark>አ</mark> ሮር	יሶርሶ	• ጎጥጥ	Δጥሮ	ርሞር	'AGC	ДДС	GTG	CCC	AGT	GAG	GCA	CCT	TCC	CCC	ATG	CCC	ACT	CAC	CG	2340
673	T.	.ccc R	F.	T	T,	S	K	V	Р	S	E	A	Р	S	P	M	p	" Т	Н		692
6/3	•	••	٠.	_				٧	•		_		-		•			-,			,
2341	TTC	TAT	'CTG	GGG	CCC	:GGC	AGC	'ACA	TCA	.CCC	CTG	GAG	ACC	'AGC	TGG	AAC	CCC	TAA'	GGA	CC	2400
693	S	Y	L	G	P	G	S	T	S	P.	L	Ε.	Т	S	. <b>W</b>	N	P	N	G	P	712
			•								аап		· •	101 N C		יייטיי		СПС	רככ	גרו	2460
2401	CTAT	rggg	CGC	:GGC	TAC	:C'I'G	CTO	iGCC	AGC	ACC							ICCP.	ICIG		Ϋ́Α	2460
713	Y	G	R	G	Y	L	L	A	S	Т	P	Ε	S	Ε	L	*					728
2461	מררנ	ገን ጥር	יריריר. יי	יתריד	ירידיר	יריר	· '୯୯፮	\.	24	85			-								

FIG. 1D